

# Mordant yellow 12, O,O'-di(tert.-butyldimethylsilyl)-

**Inchi:** InChI=1S/C25H39N3O3Si2/c1-24(2,3)32(7,8)30-22-16-15-20(28-27-19-13-11-18(26)12-1  
**InchiKey:** WPGKLMDDAVCXKX-UHFFFAOYSA-N  
**Formula:** C25H39N3O3Si2  
**SMILES:** CC(C)(C)[Si](C)(C)OC(=O)c1cc(N=Nc2ccc(N)cc2)ccc1O[Si](C)(C)C(C)(C)C  
**Mol. weight [g/mol]:** 485.77

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.80		Crippen Method
logp	8.230		Crippen Method
rinpol	3405.00		NIST Webbook
rinpol	3405.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U375018&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**rinpol:** Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/24-032-9/Mordant-yellow-12-O-O-di-tert-butyldimethylsilyl.pdf>

Generated by Cheméo on 2024-05-03 11:47:54.458417649 +0000 UTC m=+17026123.378994962.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.